ReadMe.txt

**A) Introduction**

Welcome to the Sorting Program. This application, designed for use with Eclipse, enables users to sort shapes based on attributes like volume, base area, and height. It features multiple sorting algorithms, offering both flexibility and performance comparison.

**B) Setting Up in Eclipse**

**Prerequisites:**

* Eclipse IDE with Java Development Tools (JDT) installed.
* Java Runtime Environment (JRE) version 8 or higher.

**Steps:**

1. Download the file cprg304-Assignment01.zip from D2L.
2. Extract the contents of the ZIP file.
3. Launch the Eclipse IDE.
4. Go to File > Import.
5. Select General > Existing Projects into Workspace.
6. Choose the directory where the ZIP file was extracted.
7. Confirm that the project is selected in the Projects list and click Finish.

**C1) Running the Program via Command Line**

1. Open Command Prompt.
2. Navigate to the cprg304-Assignment01.main folder.
3. Configure the program arguments as follows:
   * -f [path\_to\_shapes\_file]: Specifies the location of the file containing shape data.
   * -t [type]: Choose from v (volume), a (base area), or h (height).
   * -s [sorting\_method]: Choose the sorting algorithm: b for BubbleSort, s for SelectionSort, i for InsertionSort, m for MergeSort, q for QuickSort, and z for HeapSort.